

9/17/15 4:00 PM ME Conference Room Meeting Minutes

4:05 - All at conference room. Dr. Wolbrect is speaking with another student, hopefully will be in soon.

4:08 - Everybody here.

4:09 - What role are you performing?

- Wolbrect is technical liason. Doesn't know how to assemble, but knows what Dr. Cohen is after.
- Know that the client will never have all the answers. Come up with a baseline, pitch it to the client, come to an agreement.
- Software should be fine.

4:14 - Do you know the budget?

- No, that's up to the client. The money in a faculty accounts have different constraints, she could change it according to our needs.
- Maybe split up, see if the computer still works.

4:18 - Do you know of any videos of the machine working?

- I remember her having a video.
- It's set up to isolate different areas of your body and measure their twist.

4:19 - Math model

- They're trying to measure some kind of spring constant for your torso. Torsional stiffness and springy-ness. A spring has a zero rest point, the body doesn't. Look at the transient motion. Your current stiffness will govern your first response.
- Drop the weight so you don't hear it.
- Paper isn't trying to say your body is a spring-mass-damper, it's just looking at the response.
- Look at the hardware in the paper for the front to back perturbation, see if anything helps.

4:24 - What's the best time for technical help?

- 3-5 MWF are office hours.
- It's mostly up to us (students). Keep sending emails, asking questions. Call people, get in touch with references

4:27 - Secondary device to be installed after the Twister is put together

- Left to right instead of front to back.
- Standing instead of sitting like the first article. No forces to measure?
- How would we measure stiffness? Use motion capture system to capture separately, maybe add a separate system to time-sync to the motion capture data. Can the Spike system do that? Is time-syncing feasible?

4:30 - Mobility

- Maybe sleeving the top half? Issues with man power.
- Think about it, maybe cutting or hinging to make it easier.
- Can we transport the base if the top is cut off? sort of...
- Look at wheels that cam over and pop down for industrial things

4:38 - Basically, get it put together and working.

4:40 - Done. Meeting adjourned.